Aviation \ews McGRAW-HILL PUBLISHING COMPANY, INC.



Fast Progress on Mars' Sister Ships: Progress on cargo successors of the bomber-designed Mars, of which three of 20 for Navy are in jigs at Glenn L. Martin plant, has been so rapid that the keel of the first was down before keel-laying ceremonies could be arranged. Picture shows the prototupe after removal of the paint coat she had worn in NATS, saving 628 pounds of paint weight, 580 pounds of fuel on each California-Hawaii trip, and boosting cruising speed 4.3 mph, even with 1,200 pound additional payload thereby made possible.

Surplus Plane Demand Up With Long War Prospect

Tightened transportation conditions also factor in better market; inquiries coming in from companies engaged in war work.....

1945 Schedule Increases Easier Than Year Ago Full operations resumed by East and West Coast

AWPC's to meet new demands of armed services; further upward revision likely......Page 19

Non-Scheduled Operations May Fill Local Needs

CAB investigation inclines Board to belief that operations will meet requirements better than regularly scheduled feeder lines......Page 42

Port Users Debate U. S., State, Local Rights

Conference in Washington agrees on need of more airfields after war but voices sharp disagreement

1.5 HORSEPOWER PER POUND

IS THE OUTPUT OF THIS

HYDRAULIC MOTOR

PISTON TYPE CONSTANT DISPLACEMENT



This Visions Aircraft Hydraulig Motor weight only 6.4 posseds yet it has a normal surport reting of 16 horsepower at 2000 p.d and 2750 rpm.

But a high harresquer/veight ratio is get the only edvertope of using Vickers Hydroules Maters for delivering ratery mechanical motion on many aircroft applications. These hydroids eviters now space as well as would. Starting and milled torrow. be stopped occurately to position, , . . No clutches or harden over monitored. There are used for discounts broking and can be stalled for long periods without

damage. These hydroxilis motors can be storted and moving costs. They count on radio interference

up to 3000 psi-

VICKERS Recorporated . 1404 OAKMAN BLVD. - DETROIT 32, MICHIGAN

Engineers and Builders of Oil Hydraulic Equipment Since 1921

THE AVIATION NEWS

Washington Observer

noted females have accorning for corelentransports, and progress has been made in completing the form of these contracts, as well as the notes havin on which they will be reade Industry commen one they feel appropriate affects spees will be higher than the first-suggested \$25,000, possibly as high as \$40,000. This last is more nearly the cent to the siglines, although In most cases it has run higher and in one more than double. Some lines at first lessed toward autricht purchase of the planes, fearing interretable complications with the terretable

NATIONAL SERVICE-Bath industry and roblic and for averaguisming now. The Admini-THE CAMPAIGN-Despite the agreemen from

President Reservelt, there is virtually no pensibility of a fall National Service Law. The Army, which has finally manured to take ever the Way Production Board, Joh & had reached . the senith of its influence on cryffian affairs, and apparently believed that its widely-publicized mann-rower difficulties would rour Congress to enact National Service. What is more likely is that Courses will pass some face-saving meanare that will clear its own skirts with the rublic. but which will still be highly unantisfactory to

of the new costs was an attempt by some pub-

materials abortame to "late ordering" by redsiinfluential civilian greens threatened to tell the my this even more elessly to avoid as many

LENGTH OF THE WAR. Ton Army circles feel that it is a tass-up. With the brenks, the European phase may callague with a suddenness just as startling as the recent Gorman offensive. Or it may drug out far a year. If it lasts too long, the Pacific throatable will be upont and some playered operations may be beld up. In bowever, the crescends of fighting in both theaters will pineb the home front as it has never

been purched before.

GASOLÍNE FOR EMPÉGYEES - AMMED in mol-1943, when the cituation was tighter, products, tankers only 8 percent. In 1944, tank-ers correct 16.1 percent, rullreads 37.6, papelance the balance. The European situation and the intensified supply problems of the Pacific may require recall of many of the tankers, the pape-





1784 FAST 27th STREET & CLEVELAND 14. OHIO

AVIATION NEWS

CONTENTS

THE PHOTOS

1367-65 Nameral Press Building: Published and Franchis Office, Parist Care Office, 621 to 19age for, See Angelow

Advertises Index or Publishery According

AVIATION NEWS . January 12, 1945

methods may be muc, but in case. Aviation

COUNCILS IN ACTION - The masser is which the Ameralt War Production Councils

Navy has called a mass



ndy officers for Jan. 31-22 at its aviation supply depot in Army officers are "throwing Army ensers are "throwing god's fear into plants which now lake of commercial plans," the Nava Paulie Coast correspondent reports Bourne, Deugles. Cussuit, North American, Northrop and Ryak, will do no talking shout post-war plenning for at least 2 months.

consents on the West Coast. T. Claude Brwn, president, makes no secret of his interest in personal

The new two-place, streemland, 266-by version under the wine of Beary Kamer. Miler's original plan was for a streamlisted, welded manuscum *Both springs and manufacturers await CAA's "Urban Planning Guide," expected in a month of two II probably will advocate economical au-

purses and will suggest surport planning that will Test fight of Howard Hughes' grant flying heat, at Los Azarlos Harbor Company has lessed 7

speed wind turnels, at Curtan-Wright's Buffalo Brocently organized Air Porce League, impared

Pan American's long-equilit additional service AVIATION NEWS + January 22, 1945

Washington Observer

con As when at works tweether. Washington officials, with the industry's viewpoint before them, were better able to act and what might

one a day true schedule. The fee is PAA's eadden flurry of publicity on the West Coast and offer of

being from soon. Convair palets and mechanics are plan to master enough ougstal to buy the division Mutuus Navigation Co. has not abandoned hope muldication excitant. The describes company's

MA new Cartiss-Wright Army contract calls for and year's end and mensures 1944 monthly pre-Acrogautical Chamber of Commerce Board of the matter and feel that if Busene Wilson can be as a staff operation. Several names have been discussed informally, however. The governors will meet already with NAWPC and Aircraft

tice again has become their chard concurn Air Transport Association, which has previously percapageon and magnetizes. Offices are in the ATA lerald editor-reporter Elmer P. Thompson, Jr.

prices should remain relatively

log RB-15 series, a real-way than

is approximately \$6,000 people.

UC-67. This is also a mid-wine

Surplus Plane Demand Increases With Prospect of Longer War

Tightened transportation conditions also factor in better market: inquiries coming in from companies engaged in war work and arriving aircraft suitable for executive transports. By WILLIAM G. KEY

Surplus planes for which there raped in war work acaking fast ports There are a number of these planet available for purchase by vidual on a basis of negatiated gree Planes to be sold on this bases are those for which therehas been more supply than decategory have specified that they are surplus ships available for al-

F Confusion-The fact that some

of the surplus planes in this catephysics claum that the prices being Aviation Division officials on the prices are equitable, and that they stions probably will have to be made, and muchinery exists for rethe same general purpose. They 2690-3 engines of 1,600 kp. Gross weight is about \$6,560 pounds. total about \$14,000 or \$15,000.

berhood of \$10,000 or \$11,000 The enveraged position is that approximately \$4,000 have been to obtain the ships maintains that shortage. The operators' position version and repair costs, would permitted to remain idle when a There are also \$1 Lockbood AT--sireot identical shire powered with two Wright 35-1828-57 en-Salable Planes - Planes which sines of 1,360 hp. Green weight in about 18,000 pounds. Type price umble, but which operators say for these planes is \$49,000. can now be sold to many own-1 850 Cessons-There are also \$50 have expressed interest. These will ears say they can rouse, providing Considerable competition also as



Artus's rescription of the Jack II, new Jap Nany plane now in action

AVIATION NEWS . January 22, 1945



The global six rouses proceeded by Pan American World

serving both the Army and Navy in flying personnel and And the PAA navigotors, operating under the Mismi based. on the readings of the Princhald Acrosl Seature - a account

Air Force to be compact, lightweight, easily handled ... with a hubble that remains stable. With assessment recording of consecure agirs during the entire nighting cycle of Frankfild Instantum to the denim and precision works: Suffer ... is the reward of an automated solary of environments given problem New Yark Office: 475 - 10th Ave., New York 18. Pient 88-95 Van Wock Shol. Israuca 1. New York



of cubin type of less than 5,000 first person to offer a ceiling poice gets the plane If two or more ofbeing followed when identical

Low Prices Move Canadian Surplus

The Canadian government is observers in this country. Sales are bandled by the Wor Assets Authoritative sources report cales such as that of eight PBY-

over-water operations both in Canada and in the Caribbean islands. Original cost varies according to the manufacturer, with the the highest slightly more than \$300,000, A Lockheed 12 m shown \$7,510-enc was recently sold in this country for \$38,000, but not

b Crasums and Stinsons-More than Contraental-powered Stansons, erstreasly costing \$4,750, are listed Shell Oil Co is reported to have on the same plane several weeks

\$13.100, another at \$10,688 Flower Heads PAC

men and James C. Welseh as vice-Council, Aeronautical Charaber of

amounted following a meeting in nestreed soon. Also discussed was: Vultee Corp., Warne, Mach., sacs. The receiving included discussion

council's part in spansoring the Ryan Backlog Grows New Grunnan and Bosons orrace than \$11,000,000 for Ryan Accommissed Co. Ryan plac is in recent months, and arrange-

membership which will be an aviation compares

RECONVERSIONS, U. S. AND BRITISH

High-ground charts and monable usinged headrests mark a British recona new light-weight seat with a mosable back section. Note that British



AVIATION NEWS . James 12, 1945

Bell-Marietta Ahead of Schedule On B-29's After Slow Start

Plant has been asked to treble output during 1945, despite difficulty in getting under way and catching up with orders: modification installed in production line. BE SCOTT HERSHEY

It is no secret that Hell Arroyaft removed for installation of new duction of Bosing B-29's at their saked to triple production in 1945

ary 1862 a few weeks after Pearl Asked to Triple Production-Maj. Gen Kenneth B Welfe, chief of

plant for tripled production and said that the B-29 with its ex-The Bell Bumber plant is now cally available for combat. This

When a Bull leaves Bell-Marsetta Modification System-When Bell was unstructed by ATSC to de-

Ordnesse officer of the 21st Bomber Command Academarters on Seises

proved is around \$50,000,000 Of process, planning, tooling and Privat Layers-The plant riself

dees directed by ATSC bendance-

After production begon in De-

camber 1943, the plant energied



feet lang and 150 feet wide, the

Thefal' Plane Urged by Bayard

been effected or greensed any more atility than previous







AVIATION NEWS . Japany 22, 1945

See Emergency Controls Necessary To Avert Aluminum Shortage

Inventories adequate for current operations but not sufficient for second quarter, survey of situation reveals; closer schedaline of orders recommended

Confusion in the alaminum sitexpolers and preducers and the efforts of the Services blayestories Used - There has ment of a shortupe in the second

to carry though the first quarter. Frogress Agreed On-Working ecutives are agreed on a program Surples Material Utilized-Col. and new allotments made about 50,000,000 pounds in excess

committees of the East and West

Coast Councils, followed by a

be a most critical situation which might affect and endanger account Furthesing Precedures Recomterials and components Concern

able to lack of strongt materials Firms Mili Products and Council

AIRBORNE MOTORCYCLE

Metercycle developed by British pucked in a special container to

Army Glider Pilot Training Revised The Army Air Forces bereafted

being arged together with con-Command school at Laurinburg-

5 Critical Materials, Components Listed Present position in five year

is perfitted as follows by Cal. E. W. Rowkings, Administrator of the Aircraft Scheduling Unit-) Nort Tubung: More critical toin a short supply position with surplemen of these provincia mest-Alamiaus Sheet: Extremely heavy coder loads have been Anti-Frecton Bearings: The hearthy redustry revolts recreated

are still for believed the stated

requirements of the mulitary

Wires Sudden expansion of small

Wood vs Mersi

Principal speaker and dis-

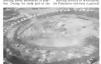
war the demand for strolege priots

Aviation Groups

Oppose New Lea Bill Civil Aviation Injur Legislative

they will learn to pilot the "whin-(218 674) on the ground that at Lee bell's revision of the Civil

b Pillot Needs Revised ... The change



TARGET FOR BOMBARDIERS

Thus susqual picture about registran of a served on a young of the 222ml.

state agencies, or direct to local

board, communion or body, and

Findamed proposal to establish * Endarsed the proposed uniform

Aviation Officials, and other state

Douglas Profits

Deegles Aircreft Co has re-

sold to the soverament for \$967 .-

AVIATION NEWS . January 22, 1945

Port Users Debate U. S., State, Local Rights in Airport Regulation

Conference in Washington agrees on need of more nirfields after war but voices sharp disagreement with national airport program and pending legislation.

Another round in the never-and-- cord the syntaxic of dedication ing battle royal between local,

governmental bodies agreed on

with equal gost. Such veteran champeons as May Shelden (Back) tional Association of State Avia-

tion Officialis: L. L. Schroeder

Monowhile, Elime was objectmante agene of which are seeking

\$ 999 amports will serve the At . commondate on commented 162.022 strports which would be in use

played that all are identical in

lation to cartier highway legislastraightaning and surfacing In klassler Postmiera Eurladed of Alaska, Mawas and Paseto

offered include those of: Senator the Randolph bill, Rep. Cred King,

Airport Employment Potential

\$ 18,270 will be employees at 3,520 ing communities under 5,000 perk.A. total of 125,550 confunctions

of the old Lea Rill, which searbt Senator Pat McCarran's bill meeting had been called needly as calls for expenditure of \$100,000,- a fact-firsting conference, and not 900 a year on surports for five as a recen to take article

Sales Official, Killed Howard W. Weich, export sales manager of Scorry Gyroscope rich, Sperry representative in Mon-FNAA Study - Lowell Swenson, treal and Wood Henry, the curperston's Washington recoverates group that NAA is making a study bile-trolley collision recently in Mostpeal

uled aviation as containing much, chairman of the conference relad-

H. W. Welch, Sperry

FOR Mitchell's Staffunity the first

World War, Welch served as car-

Militall Later by was on officer

used in educating the public to the the aviation industry toward the which still raist be sold on the long-term sevial and economic balor convenies enterms the

William H. MarCracken, Jr., Expert Corp. He was classroses of



TEN SOCALIBER GUNS ON INVADED.

This Donolas A-26, aganyped with the latest remote-control can carrete of the same type used on the Superfortress, is classed or the fairest the Export Committee of the Accoalso had represented the Chamber tional Association of Manufactur-

A meeting of the Export Com-It will be presented to his widow. tomether with a letter from E E

Overflow Passengers Sparreness of mace available to

line the overflow of prospecture flar steamshan State. War and

AVIATION CALENDAR

Reserved Hood, New York Jun. Hunder Vernagert Conference Undeal Fresh Freik and Verstable Assessation. Jan Phochines P. Manufacturers Fromit West Jen. H-Bu-Satural Associatio Associatio neural posting, Stewn Pales Bell De-Jan. 20 Tels. 1 ... 10th Annual Harring of In-Jan. Handard Manufacturer Scienti, East Cont. New York

Feb. 149—Online Engernel Trutte Cremebite,
Anthrey Sachur, Botel Nachorth, Taon

Feb. 2—Stemm Febb. Sections Advancy
Comments. ACM, Lee Angeles

Feb. 92—Mc Content Performance Science,
2020, AND 101 SAL, Stotel Includes,

Pri. Section Avenue, Ann. Legislatio Com-nidam Williad Brief Resistantia, S. O. Pri. Holland Scholar, Edition Com-nidat ACCA, University Edition Com-puter AcCA, University Edit, Chings, Pri. Hollanders Mandatomer Assista Endow Roses, Chengy April 14-4-Spiritani Assesse Linal Meeting, in-pley of apromotive Engineers, Band New Series, New York (19) April 14-4-Anny Section Committee,

area within ten minutes of the "Our program calls also for responsibility on the part of Associa-

WEST COAST REPORT New Coast Group Maps Program

Of Merchandising Private Flying Association of 20 managers and 70 fixed base operators seeks to sell public on private flying through strict code of safety standards and practices.

By SCHOLES BANGS

training planes or others do not Already organized as the Cali-

Reverside county acrports and close Organizers of the movement,

private fiver and attorney, and W. H. "Hank" Caffin, bend of Faces Test of Time-Still to be ned menagers of small agreets

Warting objections of the Associstion are being put into effect the West Coost stage Peopl Har-

Army that, is return for more othe for the religion of all flints

nearby Army-souroved treatmy Fullying Precedure - Credick

resking principly to assure public May Limit Revalutarum's one member and it. "We believe that it cial acceptas will do so. We bone

While no official approval has on which production depends.

proval of their competency in

Enforcement of such self-dis-

Discipline Previded-Two ex-

tions, CAA regulations and fair

come from the Caval Agronwation

A PLOWERS BY ARE - Proposed that air transportation of out flowmade at an awatten danser of the L. Smith, president of Mission

currellia coranges parked us the morrang, parloaged in individual ment of 5,000 pounds of California

Plane Production On SS Critical List Production of accordit and marks

siderable relet to the Civil Aero-Hink Name With Firest Salety-Woold-be fight instruction seek-

ebles, bolloons, surrentt engager, b All Types Needed-II was under-

Technical Aviation Developments Stressed at SAE Detroit Meeting

Property in wornlands, believeney designs, electronic controls, jet propulsion, etc., discussed in papers presented at annual conference: Crawford, of General Motors, elected president.

were an investment factor in dis-A third ATRC engineer, Lacut tors Corp., Detroit, was elected South Band and the following Air Texpanert William Littlemand som Awhnes, Averaft, J. L. At-North American Aviation, Inc.,

range missions by pilot and coengineer, Wright Aeronautical > "Mustang" Service Ceiling-That sized account in existence" was Filet Needs Stressed-Improvestated by Arthur P Frana, Pack-

aveding compressibility effects,

Improvements in accordi luchts in recent years were reviewed by • Electronic Controls - Develop-

A symposium on control of exsatists adjustments for meximum

Menasco Sales Up

,cording to the sensual report is-

Use of power steering in accordit | Jet Propulsion-While Menuoco

a potential extrant into the field of W. Davis, Walthers, Mass., conhicles to increase power and im- officials are Mensico directors, the prove performance He recom- assumption is that Menasco's fu-



Aeroprops for the Planes of Peace

Reliability and Automatic Operation of this General Motors Probeller add New Ease to Flight

Programme in terreprov's planer cally adjusts ste patch to meet will the with servery confidence, chapping flight conditions meeting thanks to the bulliant engineering. from low much to full feather in

is the Aeroprop, the war-proved through use of hollow blades which General Motors regretter. The Acrogree combines greater -simplicity with utmost relishifty. Under coverful hydrodic-

edified design and fewer marts mean reduced wear, quick inspection control, the Agreerer autometi- ing to the reliability of the pro-

peller-destinguish the thousands of Arcaceans that have beloed American planes decrimate the achievements of General Motors





The Liebter, Stronger, Mare Relieble Propeller

AEROPEODUCTS DIVISION + GENERAL MOTORS CORPORATION + DAYFON, ONIO Keep those flying - Buy Another War Boad !

water and alcohol to provide both. Lockbood's success



that will be refer us all.

RPANIES

AIRWAYS

PRODUCTION

1945 Schedule Increases Easier For Industry Than Year Ago

Full operations resumed by East and West Goast AWPC's to meet new demands of armed services.

Unward revisions of atteraft B-29 meduction at Bount-Wichibeen nousble a year ago, sithough The East and West Coast Air. The B-17 progress will be a reacraft War Production Councils

fellar value of output must be or for the arroad counter of 1945. #The B-2# program is postably

the Boeing plants in and near Se-December to 200 a month during re of supprier. This progress is unit er time under way as the plients 4-Engine Airliner Delivery Delayed

Lockbeed-with orders for

these plants will seek compleyment



under way Workers lead off from noney situation that has been life

The whole group of Navy Sahi-

Production Record-More Coming: Form though production records seem brakes by the Rosses ofers at Wichita during Recomber-with

AVIATION NEWS a January 22, 1845.

Fif the position becomes any more

festional workers and non-way day to war production in addition

Electric Prop Test Glero L. Martin Co engineers ing points, only four lights are

Plan New Products F. Goodneh Co., Akron, O., has

The descriptions will cooperate sell and it has not been possible rubber, synthetic rubber and plas- Nuchville

Scientific Painting Aids Convair Output Color schemes as plants designed to reduce eve straig, pervoca ten-

in production efficiency and reduction in accidence and absen-A marked recrease in producton efficiency, with a decrease in appring and absentedien, fol-

The color system decimined to Color Research—Studies reade of

pervises tection and mental de-In the Consulatated Vulter

meet hight intensities every time he looks up. The contrasting reschine colors also are utilized to

'Feeder' Shop Opened Description of manufacturing operations to take adventions of

AVIATION NEWS . January 23, 1945 AVIATION NEWS . James 22, 1945



postwar flying fuels **Phillips**

AVIATION GASOLINE



. . . and here's how the integrated G-E armament system provides a tremendous increase in firenewer with no in-

over it doesn't after bambers have consed as more Deadfor because it gives garners greater confort and

Begun in 1942

In response to the arguet polit early in 1940, for a power-operated turrer, G.E. carbled its newly developed an electrical righter for locally controlled turners.

picaes Utilizing G-C corplishmes, selepte, denomators, these completely integrated sortons are now also being

Many Adventages

By providing extremely apparate, remote control of locate making stations where they give garners apreter withlity, physical constant, and armar protection & has facilitated the placing of owners in premutent

conduct affinency of autoest In addition, properties of webter states from tuttet has resulted in less along and better purpolyeonic device. Highly important, too, the total weight of the new proment pyters is less than that of locally

We at G.E. are sensel of the part this new readon. control matern is ploying to lighter V-Day. We are proped of it, too, on an exhibiteding example of how, economical, and easier and safer to fix, Casaral Electric



The dispress shows, simply, how the system works at controlling gure in elevation. Another anglidene and set of position indicating devices are used to provide similar



- and the billion in the best of the Assertances, such that \$2 earliest method gam. Forward of the burne is the culting states from which
- A fabrual flow flow bureals are the \$100 year or bounted that senser ! gate can be emportated in any direction is a "difference" between the elevation select from-

This served is instantly constitled by the electronic serveanalder. It is then reconfied upon by the profidme into "verting power" which energipes the harrot drive motor, coving it to ten. As the gues come lists the

power supply equipment, engine traperature portral. habituries spiritos outoresto confifico perfenso.



PRECISION PRODUCTS AND ENGINEEDED SYSTEMS FOR AIRCRAFT

has all the SONES you seem and bear all yes has AVIATION NEWS + January 12 1945

GENERAL @ ELECTRIC

AVIATION NEWS . January 22, 1945

THE AIR WAR

U. S. Capture of Luzon to Move Bomber Line Closer to Japan

COMMENTARY

Gigaztic strides made in past year give American forces virtual control of air and sea; cleanup of mighty hard-sea sur base in Pacific so be beginning of end for Nippon empire.

The name of the core species of the core species of the core species of the core of the co

on the filters accurage, and see "Umb hopped title Nettonia. From the Model Settlemen Man. A resolution of the best policy at Valley and the Proceedings of the Proce

of the 5th Air Farce on New

June and July witnessed the oc-

Games, and by units of the 18th. Guzzn in the Marienes, a jump of are awaiting training

1,200 miles to the west. This group of thighty strained constitutes the necessit base to the Jap. more Nergius gamele by the necessit base to the Jap. more Nergius gamele by the well-ent set and surface attacks adjunct the Secretion and valued to a surface attacks adjunct the Secretion has order to be control the souther attacks adjunct to the Secretion of the

Extension Process of the State of the State

114,253 Airmen Trained in Canada

The British Commonwealth Air Trunning Plan in Canada trained 114,255 palots and aircrewment, an official brookforer valenced by the

official breeds for related by the Drawlina government distributes to all, 160,212 terms entired ring, 5,248 earth trained and account of the control of the account of the control of trained at Royal Cessalian Air retires (2,00 pt 1618, 57,500 novegators, 15,160 craine operators, and 647 fight engineers and of the control of the column with the control of the column with the control of the column with the column of the column Mid-Continent's Contribution to War Born Needs-



Leader in Flight Era Ahead

Mid-Continent has been a proneer in developing avianon oil for the U. S. Army and Navy and today, huge quantities are being supplied to the war from all over the globe. However, Mid-Continent's facilities are so vast that supplies of this superior lubricant site, or soon will be, available for commercial and privately owned alternati. Your inquies intrict

MID-CONTINENT PETROLEUM CORPORATION

TULSA, OKLAHOMA

AVIATION NEWS . January 22, 1963



CONTRACTS: 78503, 85402, 97826 CONSOLIDATED PROYS

FAMILY DECAS, ALERONS, ELAVATORS SUCCESS STABILIZERS FING PLACE OVER WINGS AND PLONES FOR \$50 PLANES

FIRST CONTRACT RECEIVED: FIRST PRODUCTION UNIT DELIVERED: CONTRACTS COMMITTED:

object Aircraft's part to making possible equality production of these hage fear-lined Sury Partal Hombers (115° viga-rend, 79' Length) included the complete equinocing for production of all obsym-elections of the production of the com-sent production of the complete of engineering for production of all obsym-elections of the complete of the com-sent production of the complete of the com-lete of the complete of the complete of the com-lete of the complete of the complete of the com-lete of the complete of the complete of the com-lete of the complete of the complete of the com-lete of the complete of the complete of the com-lete of the complete of the complete of the complete of the com-lete of the complete of t pressure for these mayor asspondents to be precised on time Housed of these but flying beats in the Pealfic tentifies to the second of Goodynar's manue of light scale engineer-ing in colving the couplex prediction and engineering problems

Goodyner is halfday exemponents for \$8 different Actor-Novy types of seventh, including amplific Genuir fighters and Novy sandys.

HOW GOODYEAR AIRCRAFT CORPORATION SERVES THE 2. By designing parts 3. By re-engineering 4. By building comcommensus to manufacfor all types of air- parts for acceptity pro- plate employee and terara' specifications.

AIRCRAFT INDUSTRY 5. by extending facilities of Geedyner Besserch Labers-

toxies to eld the solution of any design ores gironiles preblem



Akron, Ohio . Litchfield Park Arizona

PERSONNEL.

Alfred H. Marshall has been elected. Countr. William C. Chumbliss has

Alfred H. Masshall

new Arresoft Dovingon of United Acr-

craft Corp. Herey N. Igo has been

manager, parceeds John L. Bance,

assessed his datus as head of the program planning branch of the Navy's Office of Public Belations An exister Communifer Chambles entered the Naval Reserve in 1808

amorate durator of the research

Capt. Harold B. Miller, now staff rebly relations officer. Commander the Lemon of Ment for his survices in side and ded secretary on the his wife. Jean Depent Miller, have

Dr. Rom A. McFarland, medical co-

chromen control of seand, vibration and midrament hurseley and ventilation. Dv Me-Furtenge H. Flyne has been named

> fellowing appointments BL F. Henpresident us charge of mice. In ed-

Col. Problin P. Stee, a veteran of World War I and a prominent figure he hended the former "Grim Beenin praceture aviation, has been as- ery" Squadous.



AWARD TO BELL

Airerajt Curp., left, is shown re-

to remound Shemard Field, Yes L. H. Cooper, manager of Cornol-dated Vallee's Monta division, 3an Dr. Robert V. Yoke, manager for B

D. A. O'Conner has been named di-



Comdr. William R. Kone has been appointed head of the Navel Avie-Program, succeeding County, Press

AVIATION NEWS . January 13, 1945



Blackout For Exhaust Flomes!

Buccing rating cost no loarer spot materiage. As the leafine manufacturer of similare exhaust Solar engineers have played a major part in the lable to aircraft manufacturers with such problems development of flame dampers became the drains and operating temperatures and severe Vibrations, possess

places for enemy observers . . . sharks to the Solar systems and other high temperature alloy products for flame damer which supresses the tell-sale flames, the elementation of cases the religation of water bear reduces place visibility and has greatly increased the exercity and the control and transfer of hear, Solar has



BLAR AIRCRAFT COMPANY-SAN DIEGO 12. CALIF. - DES MOINES 5, II

Col. Metria J. Mass has reported for



deputy committeder to Limit Gen Beligners. New H Lee, formerly



Wallace L Cates, district traffic ramiages for PCA, is the first string representative to herd the Buffelo factory monoger, has been advanced



cargo development monager in



sir evecuation of to assistant to the vice-president, reeded as factory manager by Robert Yegar, provincin's number forfirst time After ton years with tory manager. Narman Stewart, Bebert Bounds has been advanced

Manerine, Easter Gweneth Natur.

W. Thomas, revenue auditor for sabovernities which belged work

accounted. Max C. Henne has re-Alicika lile raplaces John Y. Meyer, Montecey, Calif. Everett W. Hall Ore, righten Phil L Edwards, as

Charles L. Morris (phota) who, as engineering test relet with light L. hours then any ter, fac, in con-

new and radical design. He will be organisation in 1831 Meres was corrections of accounties for the Pursual appropriated buy been

rande of the appearance of Louis H. kawood as special agreeaft asjoining the surface in an executive

William R. Gitter has been made versonal traffic manager for Change nino St Login, Peorle and Chicago K. Howe, city traffic monager of

Announcing Two Highly Developed Collins Autotune* Transmitters



Crites 2310-13 Nomen power

In passes and construction, these tramscritters reexperience in meeting the requirements of wor. The with military rusendness on a production-line besis-The kenogs learned since Pearl Harbor have in

ability of the Callits Autotone. Any one of ten for quenous is reliably, precisely available at the fitp of ere crystal controlled, and special models are availincreased, end components specially College to de-

The renowned Collans on network matches into a wide variety of single wire or vertical entennia. The 221D-13 also scatches into a 660 clam balanced trans- . .

Proguency shift keying is available, making it possible to use these transmitters in orienter telegroph circuits. We will welcome inquiries and an apportunity to make recognized deliver for week particular areals.

cation Collins Rocks Computy, Coder Repids, Iswa







Derrord above years we have galand invaluable ex- speeds...under severe and variable eliminic conditions perience. We have provided hydrautic and electric windshield whom and homborher wipers for the sixtrift. Marquete wheer are universily account as imporof our Air Forces. They have proven successful at leash treat factors in safe fivings.

... on curved and the glasses of many shapes and sizes.



FINANCIAL

Two New Insurance Firms Enter Airline Field: Third in Offing

Continental Casualty Co. offering public liability, passenger liability and property damage and affiliated firm, Transportstice Insurance Co., will write hull insurance; Liberty Murual to offer liability coverage.

derwriters and United States Avia-

stabilize the field and permit

now working both hall and habilty coverage, the other at present zalty Co., and its affiliate, the of Chicago, Costinental is offering public hability, possenger liability

Liability Coverage-Liberty Mainsurance and has approached airlines offering liability coverage Hull insurance will be offered derated. Liberty is one of the largest compages operating in the the year before by an Air Truss-

systual correspondent Benerits are that Liberty has completed its ar-The third company preparing to h Bates Comparable - Auftretrents are comparable to those of

) Others to Fallow-There are inthat broader coverage is expected. dications that the market will be to result from the additional com- thrown wide ones by the fact that ectition. The built of avantion in- these new commonles are entered groups-Associated Awarton Una across not only to the sichnes but AVIATION NEWS a James V 22 1085

norsdent comparises have offered paries writing strike group to-

UAL Operations Up Sharply in 1944

roann Aern Bragance Cader-United Air Lengu estimates its writers, bondfine in the neighborbood of 80 percent of the servace firms field. This third cross hour-600 The figure exceeds Crest Colored Airbnes and Alaska Star United's most truffle for a year by the Oast Agreementon Board to United believes its 1953 revenue surance Department, which has been 65,549,424, an increase of 35 Flage Utilimation. The hagh male

of 13 hours 20 menutes or 2006 gamates or 1200 miles per place parable. There has been little dis-P-47 Man-hours Cut Man-hours for construction of a as 1942 to 6,299, reducing cost of

Financial Reports Air Assectates, Inc. reports for

moorne of \$272.653, equal to \$2.76

PRIVATE FIVING

New Air Marker System to Give More Precision in Plane Location

Method revised by CAA to show air address in degrees and minutes of lastisde and longitude instead of degrees and tenths of degrees

More procuping in establishing 4146 \$454 (4) degrees, 46 minutes

remotes of latitude and langitude. > Marker Programs... Most of the

Change Alemarker: More occupate as a result of its new spates, which poers where lettering on the innext as Army and Navy training rade," rational of its degrees and # Sectional Charte Proposed—A turned to used and markets plane tenths of degrees A taylool orr-

aviation associations. Under this profit But opportunities are limit-

1.260 reputes. The first died, repless flying range than 1,000 miles.

VE Delay Sets Back Private Plane Plans Program for production of post-

These sell he emecally useful on only a very small number of the ings, to reduce air addresses to maney. There is stress demand minutes, eliminating degrees, has for civilian planes of any kind been recommended by Cessen Avr. Some operators are buying used craft Co. and has received some planes, postery them in top shape



Greater Pay-Loads with Fill-in Freight Greater still with Cuclones

Hearl rooms vacuat oversicht. whose or carry space, all these some holds true of our space sold In the sir transport field, fill-in-

a one way of getting expectly are

on every fluid A courtest stock-

preferential rates, fills the balance

of weight and space county ofter express Such rates gradually at-

Cyclones contribute an extra bogga non In addition, there case of mentrumer able to the reasons





ATTATION NEWS . Joseph 25, 1645.



RECISION WORKERS IN IRON, STEEL, ALUMINUM, BRONZE, MAGNESIUM

inquiries are invited.



McQUAY-NORRIS MFG. CO. (AIRCRAFT DIVISION), ST. LOUIS, U.S. A.

h War Cornes First -- Of course plus planes in the categories intercompany plane, or perhaps for

The personal place manufacture still in way contracts, and those war plants as WPR nuts on the

Merchandisine

on a group beas While the nacceon hasically the plon in the flight tracking cost as an Ourse is no accurrent about the zerthe sylution industry, above all others, must runed sourset, since builders whose post-war threfore

in shelved because of their more imprediate was jobs, see Waco. hister than most could afford. has been on risters, while Beech has been turning out small tripetrainers. With eliders proving

a while. And liveth and Cerma's Wiggins Takes Over amphibiant there is indication Westfield, Mass., Port the most proular forms of per-

E W Winning Airways has taken over Barner Municipal Aur-

Nosten and Narwood, Maux, oppoplication for a feeder line system The company's fact at Westdeld to to be recented, with four-

CAA Booklet Gives Airharbor Plans Small-acula scandana hose is essibe

constructed and inexpensive

landeng area in a small seashors base. Almost any community as a mile loss in the proveding And while the bare would be turnled to servine float planes and

the Republic four-place \$2500 truning, charter fights, sircraft Drawings Available - All of CAA has available a booklet of

which any community with an



Minimum of Everage for Seardone Bases Minimum taribbes for a new these have, as detected above by CAA Arrests Sertion, after a relation its landing facility program modestly. All that is required to the body

AVIATION NEWS . Juneary 23, 1945

dustrate in deted how the bare tion. These can be supplemented by empty gardine drums, and is only for the smaller final-planes Details of Construction - Other

tails of construction of various rumps, and floats, including finally a concrete samp which will carry leads on to 188 666 wounds sufficiently detailed to use as workthe designs contemplated, and offer of the book in limited number are

Port Accounting

taken on the proposed martial

bending together to provide

Briefing For Private Pipers and Non-Subadada Actation

Bondax Relacoptor, Inc., may its projected four-management studywonin sufficient members, that it regulars only two controls and that it will

Auto Breakfast Flight-Oakland, Colif., AOPA members recently held their first breakfast "Sight" since Pearl Harber, but with above still grounded by national defense restriction, they made it in automobiles and west set to Shermon field where they looked at their planes in

Over the Bussn-Two 14th Aur Force fivers recently took a core of very fuel tacks, they attained a necessary 10,000 fact altitude on the

Flying Priests-Arrangements for 38 Cotholic missionary priests to take as intensive flight training and engineering course at Parks Air College, East St. Leais, have been correlated. The priests will use their planes in the recently areas of Connells arrand Budson Bey, and have been ordered by their Bishon, Most Rev. Marc Lacroix, to learn details of engine maintenance, metocoology, radio, and instrument renan, since they will be without skilled ambitance. The Hudson Bay discose including 1,452,000 square roles, and extending to the north nole, is now eveered by missionaries ming dog teams. Completion of the course will give the priests consengrated pilet's licensus, as well as maintenance and

Aid for Private Apports. The last newsletter of United Priots & Me-

Education Needed-Appearantly mere evisting education is needed smoot recidents of Admir County, Ind., where on nirrort development prefect cultiur for \$25,000 in contributions for financing was drapped when only \$18,000 was reburibed, elthough the county had been offered a 160-sere airport site free if it mated the development funds. Pechaps at area time. At any rate, the Adores county once is a causale of what they solicit contributions or solt for allocations from the current or band

Five New Airparks-At Scattle, Wash, the King County Aviation

ors including one combination landplane and scaplane have. These would be in addition to seven surports now in the Scattle-Puget Sound area New Classification-Classifying airports by hundreds of yards of learth has been proposed by Arnold Knowth, aviation low specialist. without thou ye feet, because the word is similar to the notice, and would he almost interchangeable for practical purposes, thus creeting an international standard Under the Kranth system a No. 6 sirport would be one with 660 yards or 1,560 feet of landing area available, No. 5 would he one with 2,700 feet of landing area available, going into the Class II aleports, and No. 19 would indicate 1,990 yards or 5,700 feet. Under his plan the pilot would know immediately the length of the runways by

AVIATION NEWS + Juneary 22, 1945



With His Aeronca Program For A Small Airport!

'Arrone can build an arport', Joe told the City of thought and mudy to this problem, and I'm curvinced that Acronce has the answers. The Assures

No wonder the Council unavanously agreed when Plan-today-to make the small simpert as year complete progress. Bill out and mad the oweren success in post-war available.

Small Airports Con Payl Get These Impartant Books New!



Sensor, Dissort of Sales have used me the Humaned booking clarked below. I makes the his MAKE SHALL ASPECTS FOR THEM ASSESSED.

Radios, Ground Controls Expected To Spur Private Flying Expansion

Director of federal airways, CAA, sees personal plane operator as higgest post-war customer for radio aids to navigation.

ronges as rapidly as possible

lander system developed by CAA year 1946, CAA will have 54 of

would require a glide path re-

most pilots will be setuded with

The post-way personal plane po- nationally with no more equipment lot will be the biggest customer in their planes than would be refor radio aids to navigation and quized to fly within the United erecord which will permit him to \$ Shift to VHF-With consensus of transmitter, to the opinion of Thereas B. Bourne, director of

Speaking before the Dayton (Oho) Engineers' Club. Bourne let's penyer" He is selent that plane. The CAA is sure many un-

> Radio for Churist two-way radio communication

The marronhane is adopted school by a convenient lever which returns to receive non-

provide plane. When the paint has Lord James Alien on the

Gas Prices Con

The new ording prices: For

equipped with push-button or

extions system for traffic control. arrear, and after ground sounplay traffic control instructions

AVIATION NEWS . Jungary 23, 1945

regretal transports than for small Distance Developments - Other

unclude a "scomming ocreen" for control towers, operated on electhe traffic controller the actual will enable the priot to measure

may be other a development of wartime electronic devices, or a refinement of 1949 CAA develop-

ment known as a vertical moorenon indicator. This uses a lowrections within fixed hrmts Bourne

off on the other runway at the

CAP to End Target

Charle Air Dated will conclude

Operations Mar. 1 ats tow-target operations Max. 1, Col. Earle L. Johnson, national

for mulitary service. Over 10,000

of their small size and slow speed 900 sirpline hours, have been the Army in CAP planes used to

b Flow at Low Abitude-The CAP

note course in the gap sights as tions were flown by members of nesse, early in 1942, at Ft. Sheridon UL and later regular CAP



DET.PROPELLED GAZDA HELICOPTER Antoine Clonic, of New York, whose wrenous devolcoments have been



TRANSPORT

Non-Scheduled Operations Likely To Fill Local Service Needs

CAB investigation inclines Board to belief that operations will meet requirements better than regularly scheduled feeder lines; survey may pave way for extension of CAB control.

By DANIEL S. WENTZ II

Early uncertainty personing the subsulty payments, was foundary
personary sum and probable results divosed by Pentonentre General
investigation of non-subsultation and in the subsults was also been subsultationed and personal supersonal supersonal supersonal for least as of such as the subsults was also been a service that will non-scheduled operations also we test the secondaria tests of practice.

The Bearth and examing (. On-scholded site through the Bearth and State of State of Learner, has sided that a specifically complete and the State of Learner, has sided that a specifically complete and the State of State

CAR Revision Fluids by his plants such as

able extension of CAB control.

**Sensead By Proper—The shoft in
CAB's emphasis from feeder costes
to non-subscialed experience was
highlythed by Chaureau i. Woldterm of the control of the control of the contended Avantum Trades Association last month. The snatypes of the
presentation of non-subscience in
the control of the contended avantum trades in his view
proposition concessed in feeds in
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subscription and technique consideration
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do but believe a scheduled air cule stopping is small either even; few males in going to offer very affective competition to the short-half advantages of railreads, house, and private unimobiles." He then characterized non-substituted operation as "as opportunity fair private enterprise, with-housy fair private enterprise, with-

ing the sharacter of a subspir, to conduct a pioneering experiment of its own."

Mull Pay Cut Forecast—Current de-emphasis on feeder lines, related to a mount serverament collated to a mount serverament colCAB Conference Peppas, deribationers, has possible out that here noted or regulation must be set up to prevent. "An improper use of some-should fastituse to respect the development or to encroach upon the off-elocitied corrusors," garriers, extractions of the off-elocitied corrusors, as the control of the off-elocitied corrusors, as the control of the allowed to humatimat the legitimate leads service functions of established corrusors.

The Board's jumilification is pres-

early hearied is occreois currier service, allump, thesawer make it does that "the lase of distinctions between the weather than the lase of distinctions between the weather than the second of the s

b Clear Cut Devision Saught—M. least one many suppose of the investigation will be to divelep utilized and the process data to permit a clear-coul decision on the poor. The investigation of the process of the country syntams on the business on non-substitute at three third states of the country of the process of the collection with all the process and the collection with all the process of the collection of the process of the collection of the process will be processed a visiting from the process of the proper will be pre-

CAM, the others in the substity, season which districts as should be drawn between versuas clause of entered in 2s ander the procucion of the process of the type in the contract of the type in the contract of the pose. BCD has catalothed these crispines of classification by type, rook patters and even, or type, rook patters and even, or the Beard will wittenyd in its trookinglings to measure the significant pattern processing the processor processor of the processor of the type of the processor of the type, rook pattern and the type, rook pattern and the processor pattern and processor processor type, rook processor type, rook pattern type, rook pattern type, rook type, rook pattern type, rook type, ro

ing classification pattern, the error tricages at issues make no such distraction.

• Examiners—The choice of examment to conduct the investigation reveals the lines along which CAI in Chalcon, Ourier Henderson.

aviation NEWS • January 22, 1945

CAB's staff has been assigned to the problem along with William J. Manthus, one of two examinates who made the Sound's Local-feeder-pick-up study. To person more theough prepnation, the Board has postpound

Action on S. F. Port Bond Issue Delayed

Supervisors hold up preposel for your pending determination of extent to which store aid may be obtained.

San Prantisco's Board of Superyangs has delayed action on a pro-

possil that a \$15,000,000 bord insue be veyed on for expansion of 8an Francisco Amport, pending deformantation of the extent to which state and many be obtained. Backed by B. M. Doolin, chief engineer and manager of the simport, the plan proposes expansion of airport boundaries and relocation of a state highway, and overtion of a state highway, and overtion of a state highway, and overdementic and foreign territoral coemistics. Parts call for deal

Tay Papara Al

Projected Expansion Plans of Son Francisco Alipset: These decurring shows the present Son Francisco sizpers and the plans of expensions for which a 420 million bend times is requested. Son Francisco's Public Updates Communica describes in present argort are "piractically expensionately inco poses other of one other West Coast argort."



length, an E-999-foot rant-word Mas Seaplane Harbor-The overcarries 4.500-foot, 5.500-foot and 6,000-foot runsyaws. It also has a

stores \$96.150 white services

NEA Brusses Mantreal-Boston Northeast Airlanes recently renamed twice daily flights between

Budget Asks Raise postivations, at \$6,000 but the ex-In CAA, CAB Funds

\$6,905,259 increase recruested, of An apprepriation increase of

An appropriation increase as 1999 it because our in all conserve as said 700 for the Civil Account for an airport advisory service to nautice Board, of which all but \$199,777 would so to the former for focal 1946, starting pext July 1 Proposed amounts are \$42.447.-CAB, compared with \$15.781.478 and \$1.525.221, respectively, for facel 1945 Mr. Hoomwelt men-\$ 596,000 for 12 Planes-CAll's exnected expenditures include \$95.-

000 is accounted for in an estimate authorization to the Secretary of ed, compared with \$2,666,718 apneugrinted for 1945. The budget nance of air navigation facilities, the estimated amount is \$24,200,ment, \$613,000 estimated against

not part of the 1945 budget cati-Another drop is noted in the 945 and is budgeted for 1944 at Estimate for maintenance and

Arroart w \$557,000 percent \$550 . N. F. Action Allays Bottleneck Fears

▶ Also Applies to Labrador-Gen-

GRINNELL "AN" FITTINGS ment. Newformiland was entitled F link the life "lines" of the

Douglas Completes DC-3 Reconversions

Company announces is is unable to toke any mare such jobs after finishing work on 17 agreesfy, formerly in refliture service, has

sum of new pierces to sirken rest directly from Depoles' C-42 anthe airlines have shown little of

The situation as to mosts and with others in prespect at Characo P. Airline Conversions...Fredire at

Such lets variable calus flooring.

and lining, bandral and hetrocks



"Sunday punch" of the U. S. Navy task forces is this powerpacked Currou dree bomber. Designed for the toughout han-amoshne jobs, its component equipment must take the limit in planetilling stresses. The hydraulic system operates the bomb buy doors, wine flags and lending over at 1,500 pounds pressure. This inversal pressure. meether with violent external ensures caused by doe bombins. place service demands on tables and fittless. The ability of Grinnell "AN" Tube Figures to meet every reourrement to dute in evidenced by their use on the HILLDIVIR

and on planes whose hydraulic systems are designed for \$5000 PROVIDENCE SEATTLE

pounds pressure.



HIGHER AND FASTER WITH FEDDERS The space photograph short neverti types and since of Public

engineer time (ISA, Polities FEDDEDS MANUFACTURING CO. INC.

Airmines AFTERCOOLERS OIL COOLERS EADIATORS

AVIATION NEWS . Jensey 22, 1945



UAL's 24-Boar Maintenance: United Air Lines' mechanics at the core-

layotory, new style hydrauler DC-4 Procedures barrace compartment floorus. Worked out by UAL Company maps compytheadve plane uparep in preparation for poseway deliveries of 50 DC-4's

Blame Ice in Crash

Scare parts in addition to the American Airlines' DC-2 crashed near Centerville, Tenn. Oct. 15, 1942, according to an acstock about 2,500 ferms such to rectice Board last week. The

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cell for many access doors to fuel valves, lines, pumps and most gines Portions of leading edges,

United Air Lines is worken root PAA Presents Case

For Azores-Africa Pan American Astward care for South African route via the Agares rather than the Caribbeancommuny attempted to slow that American weeld abandon the

who presented cases, Several steamble companies and U. S. Australia or equipment for lighter-CAB Examiners William J. Mudden and James S. Krath condusted the hearing Mar. 7 has been set as the date for fluor preExtension of MCA to New Orleans OK'd CAB authorizes line to receive on AM 26 from Tules vis

MC. Telm via Irolin-The line

also received pergyission to serve

and Tules, and suthersty to by-

poss Tules and Musicopee on nonston flights between Jonlin and

Fort Smith Service to New Or-

story or berginsfirm at Kansas

Allreach Expert Belts-Street

City via Texarkona, Fort Smith,

Acres energy version of the B-23, flow from Charago to Westingles in 10 seconds under an Muskowe, Fort Smith, Texarboar and a half on its recent kans and Shreveport. An important extension of Mid-

As hour after takent the nuntics Board Last week in an was south of Great Fells nulhorization to operate on AM Meet. The Missouri was crossed at Molerador, S. D., 26 from Tules to New Orleans via Munkpeen, Okla , Feet Swith, Ark. three hours from Seattle. Lights of Chicago were visible Texarkaga, Tex -Ark, and Shreveout of South the ship was The line is certificated as far north as Minot, N. D., although besouth of Toledo Let-down wis storted test cost of Pattabanch. gon the plane was 30 males out

Log of C-97

Hight Mecrifi, was talkent Showwart and Braniff for 97 Brough enticized the financial ability of Mid-Continent, which

which includes such caters so St. Leuis, Kanssa City, Den Moones and the Two Ciffer it will not be

Ban Burbank Field

In Bad Weather

Lockheed Air Terminal, Burquarters since American Airlines United Assertions Western was The order closes the port if cellinto see wader 2,000 ft and youbility less than 2 miles by day and

2 by marks. After Jan 19, A N. Kemp. American's president, and bush officult of other sirlines met with ron to demand unmediate action



the form-winter by salient profiles constant parts or be appelled to be profiles are complete and assembly function-

and Josito The route granted, he points out parallels Delta for 281 rates between New Orleans and AVIATION NEWS . James 23, 1945

New. Important McGRAW - HILL

Books in Aviation ear them



CAB Hears Export

Export Counsel, declared: "There

The findings of Examples

Thomas L. Wrenn and Ferdinand

D. Maron that decision abould be

by Export and American after-

neve, who accused the exempters

TCA-N. F. Air Accord

service, brying decided on a

YOUNG AVIATION

TECHNICAL CONSULTANT

AND EXECUTIVE Secureced purcosts produce and

projectional servo-grital engineer

Industry Including samples design

Doore to make a permanent con-

chosen matrument' policy, as has

Acquisition Case

anarocal By D. J. David op AIRCRAFT MECHANICAL DRAWING Here is a book designed, by the most wise has been an arrivage instanting in manhapheet show the or who william to break on on his named

the stand deliver and state of the standard of PRODUCTION ENGINEERING IN THE AMPRACY MODISTRY As A. E. Araphali, Indicated Engineer, Administration of the Construction Association, Association Conference (167 pages, 5 of A. Statement, Conference (167

FLIGHT TO EVERYWHERE The lock being to a mixely program of MOTO with a Car Transport Desirated service that o'th more workly than movie that early the ATC for the movie that o'the move workly than movie the story at the ATC for the modeling and movie the thin accordance to the story as the adjust movie of forward bendered to the story as the adjust movie of the story as the story as the adjustment of the story and the sto

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Davis and Com-Aronic Mediacies Stockell-Producton Engineering in the

durry WICC will be complied with-

PW-127, AVIATION NEWS

CHICAGO 11. ILL

American Audites, American

HAL Files New

Passenger Tariff United Air Lines has filed its

position a reduction of 18 recovered tivation of the pre-war additional five percent discount on roundtrip tickets, to holders of travel plan cords and for government W. A. Patterson, United's pres-

elect, emphasized that the reducb Show Come Orders - Patierron orders. "The most benefit to the

Hinder the procount United's ture from Washington to the West plus federal tax. Other system. percent a semilar proposal ad-

ATA Maps Drive On State Regulation

Air Transport Association is excontratate companyers and proposals

important operations between indirect firing costs about 10 per-

Boeing Gives Data On Stratocruiser

> With 500-mile trip length, block With 1.584-mile trip length.

cost of \$2.7 cents per simplene mile With 2.400-mile trip learth. block moved of 364 mgh, and naving cost of 90 cents per surplane With 2.765-mie trus learth.

mile. With 4,096-mile trip length, ing cost of \$6.9 costs per airclary.

The 377-4 is designed for flights payload, and will operate at altespecies at 33 666 feet with culting resummer at 5.000-ft altitude.

CAB SCHEDULE

Jan. 33. Fesharing authors on applicate within his removing are of Vigaria. Social Soc Jan. 31. Polesting explorers or TRAC &

Jan. M. Released evidence for its Partie year-meeting (Stocket SH et al.) Prospered Syen Su. 19 Jan. St. Benting & Yang-Childrens van be-fore commer Photole I. Nyvon in Trian Blate, Free Narch, Terra, (Stocket SH et al.) Professor fore San. 1

Path. L. Friedy day to West Coat | coar (Decket 200 et al.) - Friedgemed from Jan Exhibits due to Mirath Control Daniel Glodest #86 et al.), Distanced James Fig. 16. Tentedve bearing or Proofs rooms may below Examiner Box 1 Newscon (Dedict tell et al.) Professor I may Fish 1

Pth. St. Enterring conference on Cond-Pub. 20: Entertal marking due in Fresh Con-tral index case (Decing 41) of any. Pub. 20: Exhibits the in Fathers Addison rate incent finds first. No. 5 Howing date for largerigation of

AM III (Dodest RN)

2. Furfacerant conference on applica-

CAB ACTION The cities of Leibert and Wickin Felix Trans removed Grill Accounting Energy per munics to interven in the returned profits of the Mountan Ondaless City-III from one

With Bondy reversely, but has sid jets stilled et, no application the payment of interferent et, no application the payment of interferent form had by Kerley Y Payment PS, done-tical had by Kerley Y Payment PS, done-posited Co. and the Champadon and Program or and Payment of the Company of the Payment of the control of the Company of the Payment of the Company of the Company of the PS of the Company of the Payment of the PS of the Company of the PS of the PS of the Company of the PS of the PS of the Company of the PS of the PS of the Company of the PS of the

Small Motors. Inc re accordinated with the case.
The temperatry services under which temperatry services the term involved Life. DARNELL

Cools that

We've engineered and had thousands of one E, to engoe of H. F.

job that require compast, berry, dependeble power Tell as your



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Performance FREE MANUAL DARNELL CORR LTD LONG TEACH CALIFORNIA AGWALKER ST. NEW YORK N.Y

M N CLINTON CHICAGO II

AVIATION NEWS . James 22, 1945 AVIATION NEWS . June 22, 1945

Crearing Demand for Airports

I be a realistic attitude in sustriving and sup- system can develop only through a basic netporting any national airport program was made, work of landing facilities?" evident by the National Aeronautic Association's Joint Airport Users Conference in Washington Although murred by the usual quabbling over

the relative spending powers of state, municipal in Congress, contributed to a general clarification of the source. Order was brought out of a chaptic careful analysis of national legislation and pronosed uniform state legislation Several Western states will need constitutional

assendments to obtain the kind of legislation necessary to conform to uniform state acts, but Maucustion of State Aviation Officials reports not only being presented in every one of the 44 state legisit believes chances for passage in all states are

NECESSARIES, the first plank in NAA's national Because without it we shall find some states entering the post-war public works programs with-But education is necessary, and the reasons were hold its lure, and the public may decide that it

"There is still need to educate the public to the proved landing facilities," Swenson told the conference. "Will arrorst legislation be as easily passed? or will you hear the cry that roads are simplenes? How much recognition is there of the

CWHOLEON EMPEROREDS that City Pathers and tax payers' strouge already are askins down-tocities have passed band issues. More have been

edditional tax burgers on the individual. "We can't afford to take for granted the public's attitude toward aviation. Everybody loves airplanes now. They are winning the war. But what is some to be the earry-over in affection? Is everyis removed when dellars great on accuston are not tougher, to sell aviation in peace than aviation in

"The public must be sold on the long-term social gram. The public must be shown-not just told in fits for all, not just a minority, of the people. something for a few daredevils and wealthw mortunes. That's a sob for those concerned with to Darle Sam. He may provide the money but he

People must be made to see in landing facilities early understandable thing in economic lifebecomes. We've not to treat the taxnover like a full-grown adult, who knows the facts of hde. After the war, when the firsh of victory has receded, issue, try talking to people in beautiful, glowing arrelative and see how far you get. They may be

your dreams, but it's the public's money,



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